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(71) Applicants (for all designated States except US): XENON GENETICS, INC. [CA/CA]; 3650 Gilmore Way, Burnaby, British Columbia V5G 4W8 (CA). WARNER-LAM-BERT COMPANY, LLC [US/US]; 201 Tabor Road, Morris Plains, NJ 07950 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BROWNLIE, Alison, J. [CA/CA]; 1823 Napier, Vancouver, British Columbia V5L 2N4 (CA). TAFURI, Sherrie, Rae [US/US]; 4773 Aberdeen Drive, Ann Arbor, MI 48103 (US). BRINKMAN, Ryan, R. [CA/CA]; 627 West 7th Street, Vancouver, British Columbia V5Z 1B6 (CA). CHAGNOVICH, Daniel [US/US]; 2720 Aspen Ridge Drive, Ann Arbor, MI 48103 (US). CHATTERJEE, Aurobindo [IN/IN]; 712 Mt. Pleasant Avenue, Ann Arbor, MI 48103 (US). DONALDSON, Gary, C. [CA/CA]; 17763 - 24th Avenue, Surrey, British Columbia V3S 9V2 (CA). DUBE, Marie-Pierre [CA/CA]; 4831 Hutchison Street, Montreal, Quebec H2V 4A4 (CA). GOLDBERG, Yigal, P. [CA/CA]; 62 West 18th Avenue, Vancouver, British Columbia V5Y 2A4 (CA). JERVA, Leonard, F. [US/US]; 2910 Green Valley Drive, Ann Arbor, MI 48103 (US), LAFRENIER, Ronald, G. [CA/--]; 1264 Osborne Avenue, Verdun, Quebec H4H 1X5 (CA). LUDWIG, Erwin [CA/CA]; 4410 Lateener Lane, Blaine, WA 98230 (US). SAMUELS, Mark, E. [US/US]; 2702 Manitoba Street, Vancouver, British Columbia V5Y 3Y9 (CA). WU, Chenyan [CN/CN]; 3190 Otter Creek Court, Ann Arbor, MI 48105 (US). HAYDEN, Michael, R. [US/CA]; 4484 West 7th Avenue, Vancouver, British Columbia V6R 1W9 (CA).

- (74) Agents: GRANT, Alan, J. et al.; Carella, Byrne, Bain, Gilfillan, Cecchi, Stewart & Olstein, 6 Becker Farm Road, Roseland, NJ 07068 (US).
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- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 21 October 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NOVEL THERAPEUTIC TARGET FOR TREATING VASCULAR DISEASES, DYSLIPIDEMIAS AND RELATED DISORDERS

(57) Abstract: The invention features compositions and methods for modulating HDL levels and/or treating a vascular disease, dyslipidemia or a related disorder in a patient in need thereof. The invention also includes methods for identifying therapeutic agents for such treating disorders based on the identification of novel therapeutic targets herein. The invention also includes diagnostic and pharmacogenomic compositions and methods which employ the therapeutic targets named herein.



International application No.

PCT/US03/20410

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : C07H 21/04; C12Q 1/00, 1/68; C12P 21/06; C12N 15/63  US CL : 536/23.1, 23.2, 24.1; 435/4, 6, 69.1, 320.1, 455  According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 536/23.1, 23.2, 24.1; 435/4, 6, 69.1, 320.1, 455				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched .				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet				
C. DOCUMENTS CONSIDERED TO BE REI				
	ion, where appropriate, of the relevant passages Relevant to claim No.			
A Database NCBI, Accession No. ALI6	2385, BABBAGE, A. 'Human DNA sequence from complete sequence'. Homo sapiens (human), 25			
Further documents are listed in the continuation	on of Box C. See patent family annex.			
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Date of the actual completion of the international se	arch Date of mailing of the international search report  17 AUG 2004			
15 July 2004 (15.07.2004)	Authorized officer			
Name and mailing address of the ISA/US  Mail Stop PCT, Attn: ISA/US	Quang Nguyen, Ph.D. A. Roberts for			
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P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)872-9306	Telephone No. (571) 272-1600			

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PCT/US03/20410

Box 1	I Obse	rvations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)	
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
1.		Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely:	
2.	$\boxtimes$	Claim Nos.: 27-34 because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically: Claims 27 depends upon a claim that does not precede it which makes claims 28-34 improper.	
3.	6.4(a).	Claim Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule	
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)			
This International Searching Authority found multiple inventions in this international application, as follows:			
1. 2. 3.		As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:	
4. Rem	ark on	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.	

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INTERNATIONAL SEARCH REPORT	PC170303/20410
1	
Continuation of B. FIELDS SEARCHED Item 3:  APS, DIALOG, MEDLINE, EMBASE, BIOSIS search terms: SEQ ID NOS: 3, 4, 14 and 15, gene95, Brownlie-A-J.	
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